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TI A method for developing a high-fluidity filler composition, from furnace
bottom ash
IN Lee, Yong Su; Won, Jong Pil
PA Konkuk University, S. Korea; W G S Co., Ltd.
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CC 58-1 (Cement, Concrete, and Related Building Materials)
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CLASS

| PATENT NO. | CLASS | PATENT FAMILY CLASSIFICATION CODES |
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AB A method is provided for developing a high-fluidity filler composition, with self-leveling properties and good workability, by using Portland **cement** and furnace **bottom ash**/fly ash obtained as industrial byproducts. The filler composition comprises 30-120 parts by weight of Portland cement, 210-280 parts by weight of fly ash, 70-280 parts by weight of furnace **bottom ash** (1-10 mm size), 600-1300 parts by weight of sand, and 320-460 parts by weight of water. The composition having a 28-day compressive strength of 3-83 N/cm² and a slump flow of ≥ 20 cm was used as fillers in hard-to-reach areas.

ST high fluidity filler compn furnace **bottom ash** prepn
IT Ashes (residues)

Cement
Concrete

3 to 83 N/cm²
↓ ↓
4.3 psi to 120 psi